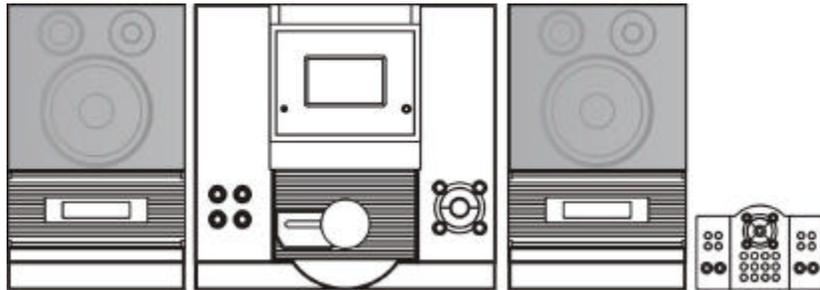




STEREO HI-FI SYSTEM
With CD PLAYER
And AM/FM PLL SYNTHESIZED TUNER



RCD641
OWNER'S MANUAL

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PRECAUTIONS

Please take good note of the following instruction:

- The unit must be connected to the power voltage, which is the same as the local area. If not, there is a danger of “burning” the unit that causes a fire.
- Do not expose to the temperature higher than 35°C.
- Avoid installation near heaters or in areas subjected to direct sunlight.
- Ensure good air circulation.
- Protect the unit from dust, moisture and water.
- Avoid strong magnetic fields, e.g. near TVs or speakers for other units.
- Avoid using strong chemical agents to clean.
- Do not grease or oil components, running mechanisms, etc. The CD player is designed to be maintenance free.
- Take the unit to approved service point for servicing.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

DRIPPING WARNING

The product shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the product.

VENTILATION WARNING

The normal ventilation of the product shall not be impeded for intended use.

CAUTION

CLASS 1 LASER PRODUCT

Use of Controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CLASS 1 LASER
PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

LASER SAFETY

This unit employs a laser. Only qualified service personnel should attempt repair.



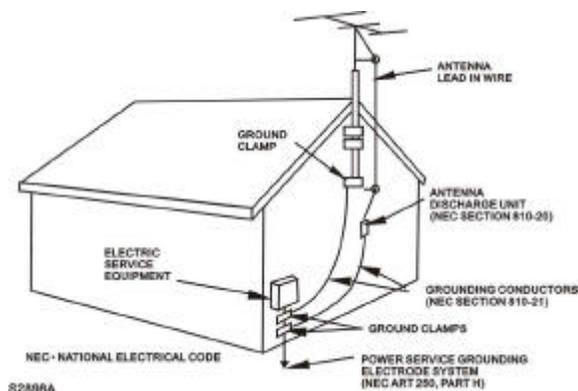
DANGER: INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.
CAUTION: HAZARDOUS LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED.

IMPORTANT SAFETY INSTRUCTIONS

1. Read instructions – All the safety and operating instructions should be read before the product is operated.
2. Retain instruction – The safety and operating instructions should be retained for future reference.
3. Heed Warnings – All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions – All operating and use instructions should be followed.
5. Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture – Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
8. Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9. A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10. Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. Placing the product on a bed, sofa, rug, or other similar surfaces should never block the openings. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11. Power Source – This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12. Grounding or Polarization – Caution: To prevent electric shock, match wide blade of plug to wide slot, fully insert. This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
13. Power-Cord Protection – Power-supply cord should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

14. Lightning – For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power line surges.
15. Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electric Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connections to grounding electrodes, and requirements for the grounding electrode. (See Figure 2)

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE, ANSI/NFPA70



16. Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits, as contact with them might be fatal.
17. Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
18. Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in fire or electric shock. Never spill liquid of any kind on the product.
19. Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
20. Damage Requiring Service – Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- a. When the power-supply cord or plug is damaged.
- b. If liquid has been spilled, or objects have fallen into the product.
- c. If the product has been exposed to rain or water.
- d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- e. If the product has been dropped or damaged in any way.
- f. When the product exhibits a distinct change in performance.
 - This indicates a need for service.

21. Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
22. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
23. Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that product heat.

FCC INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- . Reorient or relocate the receiving antenna.
- . Increase the separation between the equipment and receiver.
- . Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- . Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

WARNING

Read the instruction manual before you attempt to use the unit. Handle glass panels with care. Consult your dealer or service personnel if you have questions about the installation, operation or safety of the unit.

Make sure unit is plugged into an 110V-127V outlet. Using higher voltage outlets could cause the unit to malfunction or catch fire. Make sure all electrical connections (including extensions and inter connectors) are properly made.

Turn unit off before unplugging it from power source.

Do not expose to temperatures above 95 °F.

Do not place unit near heaters or in areas subjected to direct sunlight.

Place unit where there is good air circulation.

Protect unit from dust, moisture, water and other liquids.

Do not place unit near TVs, speakers and other objects that generate strong magnetic fields.

Do not clean with strong chemical agents.

Do not grease or oil components, running mechanisms, etc. CD player is designed to be maintenance-free.

Do not attempt to service this unit yourself. Take to an approved service center if repairs are necessary.

Do not operate unit if it is not working normally or has been damaged in any way. Turn unit off, unplug it from the power source and consult service personnel.

Do not remove any fixed cover. This will increase the chance of electrical shock.

Do not leave unit unattended when in use.

Do not listen to headphones at high volumes.

Do not obstruct vents on unit.

Do not attempt to create your own stand for the unit. Use only the included stand.

Do not push object into any holes, slots or openings on unit.

Do not allow children to operate unit without adult supervision.

Erratic performance may occur if unit is used in rooms lit with fluorescent lights.

CAUTION – This CD player may be used only with the captioned manufacturer's stand. Use with other stand may result in instability causing possible injury.

Above all

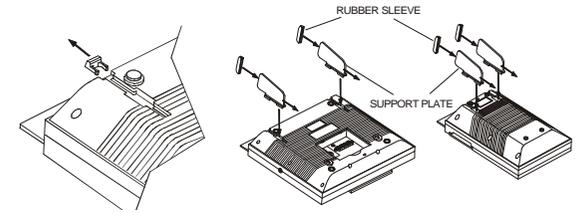
- NEVER let anyone, especially children, push anything into holes, slots or any other openings in the case this could result in a fatal electric shock.
- NEVER guess or take chances with electrical equipment of any kind.
- It is better to be safe than sorry!

Note: If energy saving lamps (Fluorescent) are used in the Same room as the unit erratic operation may occur.

INSTALLATION

FOR TABLE TOP

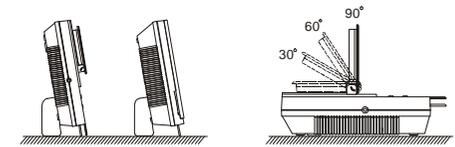
- Put the main unit and the speaker on a piece of soft cloth, which for preventing scratches the unit front panel.



- Use your finger press on the decoration part, which are at the groove of the main unit rear cabinet and slide down to release away it from the groove.

SLIDE DOWN THE DECORATING PART TO REMOVE FROM MAIN UNIT REAR CABINET

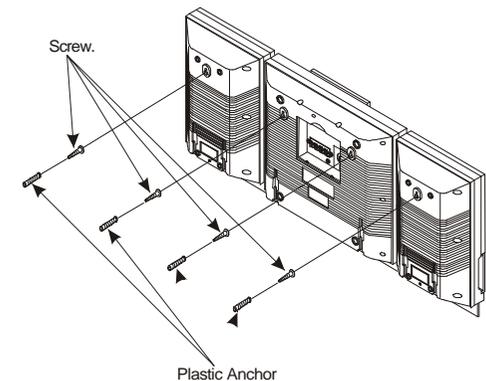
- Insert the support plate into the groove.
- Slide up the support plate until it is locked.
- If you put your equipment on a glass table or a very smooth surface. The main unit and speaker box would be easy to move by hand pushing. You could insert the rubber sleeve to the bottom of the support plate.



- This product is designed both for placing vertically and horizontally. Removing the support plate away for horizontal placing. The display can be rotated staying in 1 of 3 kind of viewing angle (30°, 60°, 90°) as you like.

FOR WALL MOUNTING:

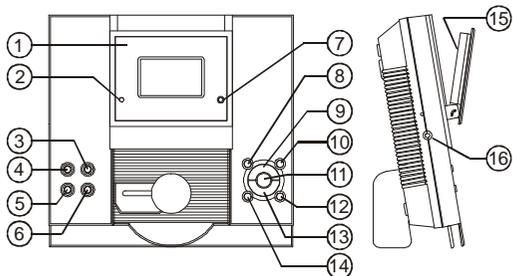
1. Use the wall-mounting template supplied with unit to make anchor hole marks on the wall. Make sure the marks are leveled.
2. Drill 3/16" holes on the marks.
3. Insert the plastic anchor supplied with unit through the hole and tap it until it is flush with the wall.
4. Inset the screw and tighten the screw 3mm away from the wall.
5. Hang the main unit and the speakers to the screw.



OPERATING ELEMENTS

Front view

1. Display
2. Power Indicator
3. VOL ▲ Button
4. POWER Button
5. CD DOOR Open/Close Button
6. VOL ▼ Button
7. Remote Sensor
8. CD Function Button
9. ►|| PLAY/PAUSE Button
10. TUNER/BAND Button
11. TIMER Button
12. ►► / SEARCH►► / TUNING + Button
13. STOP ■ Button
14. ◀◀ / ◀◀SEARCH / TUNING - Button

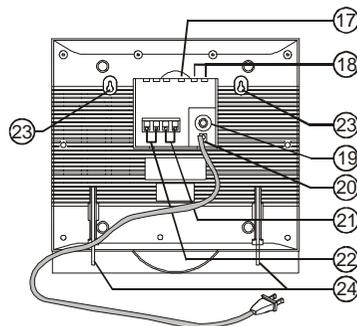


Left side view

15. RESET Switch - Reset the unit with a sharp tip
16. Headphone Jack

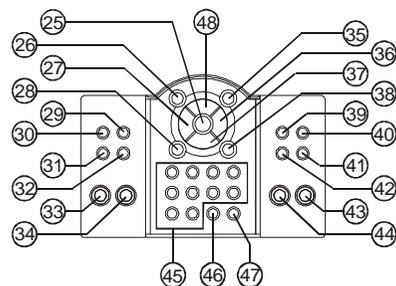
Rear view

17. Subwoofer Socket
18. Aux Input Socket
19. FM Antenna Terminal
FM 75 ohm Antenna Socket (optional)
20. AC Power Cord
21. Left Speaker Terminal
22. Right Speaker Terminal
23. Wall Mounting Hole
24. Support Plate



Remote control

25. MUTE Button
26. TUNING - Button
27. ◀◀/◀◀SEARCH Button
28. ►|| PLAY/PAUSE Button
29. LINE IN (AUX IN) Button
30. CD Function Button
31. MODE Button
32. EQ Button
33. RANDOM Button
34. PRESET/REPEAT Button
35. TUNING+ Button
36. ►►/SEARCH►► Button
37. VOL ▼ Button
38. ■ STOP Button
39. TUNER Function Button
40. BAND Button

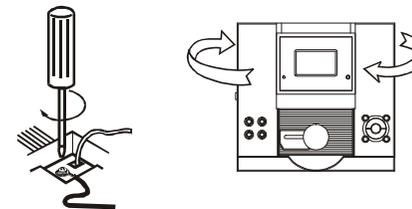


41. ST/MONO Button
42. CLOCK ADJ. Button
43. POWER Button
44. CD DOOR Open/Close Button
45. Number 0-9 Button
46. +10 Button
47. PROGRAM Button
48. VOL ▲ Button

SETTING UP AND CONNECTING THE STEREO SYSTEM

Antenna connection

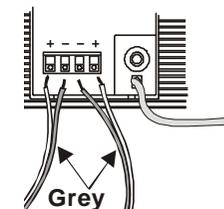
FM: Install the FM Antenna wire connecting plate to FM Antenna Terminal (19) and tighten it with a screwdriver. Or plug in the FM Antenna (optional). If stereo broadcast received, the STEREO indicator will be displayed on the display (1)



AM: This unit is equipped with a built-in directional ferrite antenna, move and rotate the unit for best reception.

Speaker connection

To insert the speaker cables by pushing down the terminal lever of Left Speaker Terminal (21) and Right Speaker Terminal (22). Please ensure the cables are connected into the speaker terminals with the correct polarities. Connect the left speaker to the terminals L and the right speaker to the terminals R.



LINE IN (AUX IN) connection

1. Connect one end of a RCA plug signal wire (not included) to Aux Input Socket (18) and the other end of wire to your home equipment. Make sure the polarity of the right and the left channel is correct.
2. Press the POWER (4) (43) to switch on the unit
3. Press LINE IN (29) on the remote control while display indicates "LINE".
4. Play your home equipment.

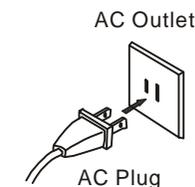
SUBWOOFER connection

1. Connect one end of a RCA plug signal wire (not included) to Subwoofer Socket (17) and the other end of wire to your subwoofer.
2. Turn on the unit and your subwoofer.
3. Play your home equipment.

Mains connection

This system is designed to operate on AC110V-127V ~60Hz house current. Connecting this system to any other power supply could result in damage to the unit, which is not covered by your warranty. If this plug will not fit into your outlet, you should have your outlet changed by a qualified licensed electrician.

1. Unwind the AC Power Cord on the main unit.
2. Insert the plug into any convenient AC outlet.



As soon as the unit has been connected with the mains voltage, parts of the unit are in operation due to the standby function. To switch off the unit completely pull the mains plug.

CLOCK AND TIMER

CLOCK

1. While unit is off (still plugged in), press CLOCK ADJ. (42) once. Hour digits will flash.
2. Press ►►/SEARCH►►(12,36) and ◀◀/◀◀SEARCH (14,27) to select correct hour.
3. Press CLOCK ADJ. (42) again. Minute' s digits will flash.
4. Press ►►/SEARCH►►(12,36) and ◀◀/◀◀SEARCH (14,27) to select correct minutes.
5. Press CLOCK ADJ. (42) to set time. Digits will stop flashing and clock will start.

TIMER

Clock should be set before using timer.

1. Press MODE (31). TIMER ON indicator will flash.
2. Press PROGRAM (47). Hour digits will flash.
3. Press ►►/SEARCH►►(12,36) and ◀◀/◀◀SEARCH (14,27) to select correct hour.
4. Press PROGRAM (47). Minute' s digits will flash.
5. Press ►►/SEARCH►►(12,36) and ◀◀/◀◀SEARCH (14,27) to select correct minutes.
6. Press PROGRAM (47) to set time for Timer On. To cancel Timer On setting, press MODE (31) several times until you reach the Timer On setting mode. Press TIMER (11) to cancel Timer On setting.
7. To set Timer Off, press MODE (31) once. TIMER OFF indicator will flash.
8. Press PROGRAM (47). Hour digits will flash.
9. Press ►►/SEARCH►►(12,36) and ◀◀/◀◀SEARCH (14,27) to select correct hour.
10. Press PROGRAM (47). Minute' s digits will flash.
11. Press ►►/SEARCH►►(12,36) and ◀◀/◀◀SEARCH (14,27) to select correct minutes.
12. Press PROGRAM (47) to set time for Timer Off. To cancel Timer Off setting, press MODE (31) several times until you reach the Timer Off setting mode. Press TIMER (11) to cancel Timer Off setting.

BASIC OPERATION

TURNING ON

LCD will illuminate dimly when unit has been successfully plugged in and power is flowing. Press POWER (2,43) to turn unit on. Power On indicator will light up. Select CD (8,30) or TUNER (10,39) as the music source. To turn unit off, press POWER again.

VOLUME CONTROL

Press VOL▲ (3,48) and VOL▼ (6,37) to adjust the volume level. Press MUTE (25) to turn volume to 0. Press MUTE (25) again to turn sound back on.

EQ

Press EQ (32) repeatedly to cycle through the equalizer presets. Presets are Flat, Rock, Jazz, Pop and Classic.

CHANGING DISPLAY

When power is off, press MODE (31) to cycle through the following display options:

Clock, Timer On setting, Timer Off setting.

Press MODE (31) while a CD is playing to cycle through the following display options:

Playing Time, Remaining Time, Clock, Timer On setting, Timer Off setting.

LISTENING TO THE RADIO

1. Press POWER (4) (43) to turn unit on.
2. Press TUNER (10,39) to select radio mode.
3. Press BAND (10,40) to select AM or FM band.
4. Press TUNING + (12,35) or TUNING – (14,26) to select the desired station. For automatic tuning, press and hold TUNING + (12,35) or TUNING – (14,26) until you approach the desired station, then tap the buttons until you reach the station. For manual tuning, press TUNING + (12,35) or TUNING – (14,26) briefly and release. The tuner will skip to the next clear station.

ST/MONO

Repeatedly pressing the ST/MONO (41) switches between stereo and mono reception. The stereo reception of a station in the FM band is indicated on the display. In case of stereo stations with a bad reception (noise infested reception) we recommend switching the tuner to mono reception.

STORING PRESET STATIONS

1. Tune radio to the desired station.
2. Press PROGRAM (47).
3. Press PRESET/REPEAT (34) repeatedly to set the preset station number.
4. Press PROGRAM (47) to store station. To store additional stations, repeat above steps. Unit stores 20 FM and 12 AM preset stations.

Note: You can also select directly the desired program place by pressing numerical buttons "0-9" (45) or "+10" (46) on the remote control.

PLAYING CD' S

Press POWER (4) (43) to turn unit on and press CD Function button (8,30) to select CD mode. Press CD DOOR Open/Close (5,44) and place a CD on the spindle so it locks in place. Press CD DOOR Open/Close (5,44) to close door. The number of tracks and the playing time of the CD will appear on LCD.

►► PLAY/PAUSE (9,28) – plays CD. Press ►► PLAY/PAUSE during play to pause; press again to resume play.

■ STOP (13,38) – stops CD play.

►►/SEARCH►►(12,36) and ◀◀/◀◀SEARCH (14,27) – use to skip to desired track. Hold either button down to search through a particular track.

PRESET/REPEAT (34) – press to have one track or all tracks play repeatedly. Press again to return to normal play.

RANDOM (33) – press on remote control during CD play to play tracks in random order. Press again to return to normal play.

PROGRAMMED PLAY

CD player allows you to program up to 16 tracks in a sequence of your choice.

1. Press PROGRAM (47) while CD play is stopped.
2. Press ►►/SEARCH►►(12,36) and ◀◀/◀◀SEARCH (14,27) to select the desired song to be

- programmed.
- Press PROGRAM (47) when you have reached the desired song. The track will be stored in PROGRAM.
 - Repeat steps to program additional tracks.
 - When programming is complete, press ►|| PLAY/PAUSE (9,28) to play the programmed track list.

To review programmed tracks, presses PROGRAM (47) repeatedly. Press STOP to clear programmed tracks.

Note on CD-R/RW discs

- Because of non-standardized format definition / production of CD-R/RW, playback quality & performance are not guaranteed.
- It is not responsible for the playability of CD-R/RW in any case due to recording conditions such as PC performance, writing software, media ability and etc.
- Do not attach a seal or label to either side (the record able side or the labeled side) of a CD-R/RW disc. It may cause malfunction.

Do not load a un-recorded CD-R/RW disc. It will take over 30 seconds to read the disc. The disc may be damaged if you try to open the disc compartment while reading the disc.

CARE AND MAINTENANCE

- Treat the disc carefully. Handle the disc only by its edges. Never allow your fingers to contact with the shiny, unprinted side of the disc.
- Do not attach adhesive tape, stickers etc., to the disc label.
- Clean the disc periodically with soft, lint-free, dry cloth. Never use detergents or adhesive cleaners to clean the disc. If necessary, use to CD cleaning kit.
- If disc skips or gets stuck on a section of the disc, it is probably dirty or damaged (scratched).
- When cleaning the disc, wipe in straight lines from the center of the disc to the edge of the disc. Never wipe in circular motions.
- To remove a disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
- Fingerprints and dust should be carefully wiped off the disc's recorded surface with a soft cloth. Unlike conventional records. Compact disc have no groove to collect dust and microscopic debris, so gently wiping with a piece of soft cloth should remove most particles.



TROUBLESHOOTING GUIDE

Should this unit exhibit a problem, check the following before seeking service.

Symptom	Possible Cause	Solution
Radio		
Noise or sound distorted on AM or FM broadcasts.	Station not tuned properly for AM or FM	Retune the AM or FM broadcast station.
	FM: Wire antenna is not extended.	Extend FM Wire antenna.

	AM: The bar antenna is not positioned correctly.	Reposition the unit until best reception is obtained.
FM STEREO does not appear on display.	You have tuned to a mono station or station too weak.	Select another FM station.
AM or FM, no sound.	Unit not at Tuner function AM or FM band.	Press Tuner Function button to AM or FM.
	Volume at minimum.	Increase Volume.
Compact Disc Player		
CD Player will not play.	Unit not in CD function mode.	Press CD Function button.
	CD is not installed or installed incorrectly.	Insert CD with label side up.
CD skips while playing.	Disc is dirty or scratched.	Wipe disc with cloth or use another disc.
Function inoperative and jammed	Built-in microcomputer hand up.	Use a sharp tip to press into the reset hole to reset the built-in microcomputer.
Display no indication or abnormal indication	Built-in microcomputer hand up.	Use a sharp tip to press into the reset hole to reset the built-in microcomputer.

SPECIFICATIONS

Power source	-----	AC110V-127V ~60 Hz DC 3V "AA" size/UM-3 x 2 pcs (not included) for remote Handset
Power consumption	-----	28 Watts
Dimension	----- Unit	340 (W) x 151 (D) x 320 (H) mm (including support plate) 340 (W) x 102 (D) x 320 (H) mm (without support plate)
	Speaker	200 (W) x 143 (D) x 320 (H) mm (including support plate) 200 (W) x 94 (D) x 320 (H) mm (without support plate)
Tuning range/sensitivity	-----	AM 530 ~ 1710KHz/2000 μV/m FM 87.5 – 108MHz/18uV
Playback system	-----	Vertical type CD mechanism
Frequency response	-----	100 – 18,000 Hz
Power output	-----	3.5 Watts @ Maximum per channel
Speaker impedance	-----	3.2 ohms
Headphone impedance	-----	8 – 32 ohms
AUX input sensitivity	-----	300 mV

ACCESSORIES

Instruction Manual	1 set	Wall mounting template	1 pc
Remote Control handset	1 pc	Screw	4 pcs
Support plate	6 pc	Plastic anchor	4 pcs
Sleeve For Support plate	6 pc		

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